

Systems and Methods for Collaboratively Viewing and Editing Seismic Data**ABSTRACT OF THE DISCLOSURE**

In one embodiment, a computer-implemented seismic viewing/editing collaboration method includes performing real-time collaborative cursor tracking, copaging, picking, and image manipulation in a distributed-display-processing, peer-to-peer architecture. A parameterized, minimal set of information required to update a display is transferred directly between different clients. A group state containing events generated by different clients is enforced to be synchronized on the different clients.